

Larry Hogan Governor Boyd K. Rutherford Lt. Governor Pete K. Rahn Secretary

August 6, 2019

Mr. Gregory Murrill
Division Administrator
Attn: Dr. Kwame Arhin
Federal Highway Administration
10 South Howard Street
Suite 2450
Baltimore MD 21201

Ms. Terry Garcia Crews Regional Administrator Attn: Mr. Ryan Long Federal Transit Administration 1760 Market Street. Suite 500 Philadelphia PA 19103

Dear Mr. Murrill and Ms. Crews:

The Maryland Department of Transportation (MDOT) hereby amends the Fiscal Year (FY) 2019-2022 Maryland Statewide Transportation Improvement Program (STIP) for five amendments to transit projects in the Baltimore Regional Transportation Board's (BRTB) 2019 – 2022 Baltimore Region Transportation Improvement Program (TIP). The BRTB approved the amendments to its TIP on July 23, 2019. The MDOT has assigned Control #19-12 for these amendments to the STIP, as described below.

The Maryland Transit Administration (MDOT MTA) has adjusted the Agency Systemwide Preservation and Improvement project (TIP ID 40-1801-64) by adding previously unobligated Section 5307 funds from 2018 to the FY 2019-2022 TIP. These funds will be used to rehabilitate agency-wide facilities.

The MDOT MTA has adjusted the Bus System Preservation and Improvement project (TIP ID 40-1803-64) by adding unobligated Section 5307 Flex funds from FY 2018 to the FY 2019-2022 TIP. These funds will be used to rehabilitate bus facilities and infrastructure.

The MDOT-MTA has adjusted the Metro and Light Rail System Preservation and Improvement project (TIP ID 40-1805-64) by adding unobligated Section 5307 funds from FY 2017 and FY 2018 to the FY 2019-2022 TIP. These funds will be used to rehabilitate Light Rail and Metro facilities, infrastructure, track and equipment.

Mr. Gregory Murrill Ms. Terry Garcia Crews Page Two

The MDOT-MTA has adjusted the MARC Rolling Stock Overhauls and Replacement project (TIP ID 70-1501-53) by adding unobligated Section 5337 funds from FY 2017 and FY 2018 to the FY 2019-2022 TIP. These funds will be used for overhaul and replacement of MARC rolling stock in accordance with the manufacturer's 10-year minor and 20-year midlife schedules.

The MDOT-MTA has adjusted the MARC Improvements project (TIP ID 70-1502-54) by adding unobligated Section 5337 funds from FY 2017 and FY 2018 to the FY 2019-2022 TIP. These funds will be used to enhance safety and accessibility for MARC riders.

Project Name	STIP#	TIP#	Funding Source	FY 19-22 Net Federal Change (000)
Agency Systemwide Preservation and Improvement	40-1801-64	40-1801-64	5307	5,986
Bus System Preservation and Improvement	40-1803-64	40-1803-64	5307 Flex	834
Metro and Light Rail System Preservation and Improvement	40-1805-64	40-1805-64	5307	9,762
MARC Rolling Stock Overhauls and Replacement	70-1501-53	70-1501-53	5337	6,651
MARC Improvements	70-1502-54	70-1502-54	5337	20,120

Mr. Gregory Murrill Ms. Terry Garcia Crews Page Three

The Maryland Statewide Transportation Improvement Program continues to be fiscally constrained. Should you have additional questions or concerns, please contact Mr. Dan Janousek at 410-865-1098, toll free 888-713-1414 or via e-mail at djanousek@mdot.maryland.gov, of course, feel free to contact me directly.

Sincerely,

Tyson Byrne

Regional Planning Manager,

Tyn Byn

Office of Planning and Capital Programming

Attachments

Mr. Gregory Murrill Ms. Terry Garcia Crews Page Four

bcc: Mr. Todd Lang, Director, Department of Transportation Planning, BRTB

Mr. Kevin Quinn, Director, Office of Planning and Capital Programming, MTA



July 23, 2019

Ms. Heather Murphy
Office of Planning & Capital Programming
Attn: Mr. Dan Janousek
Maryland Department of Transportation
7201 Corporate Center Drive
Hanover, MD 21076-1415

Dear Ms. Murphy:

Enclosed are five amendments to the 2019-2022 Baltimore Region Transportation Improvement Program (TIP) as approved by the Baltimore Regional Transportation Board (BRTB) on July 23, 2019. The documentation enclosed supports changes to the 2019-2022 TIP for five MDOT Maryland Transit Administration projects:

- Agencywide System Preservation and Improvement: 40-1801-64
- Bus System Preservation and Improvement: 40-1803-64
- Metro and Light Rail System Preservation and Improvement: 40-1805-64
- MARC Rolling Stock Overhauls and Replacement: 70-1501-53
- MARC Improvements: 70-1502-54

The amendments were presented to a joint meeting of the Technical Committee and Interagency Consultation Group (ICG) on July 9, 2019. At that meeting the ICG determined that the projects are exempt from the requirement to determine conformity according to the Conformity Rule.

MDOT MTA has affirmed that fiscal constraint for their program of projects remains intact and has made a commitment to the match required.

Pursuant to the prescribed TIP amendment process MOU signed in 2014, the BRTB approved Resolution #20-1 to support these changes to the 2019-2022 TIP.

If you have any questions, please feel free to call me.

Sincerely,

Todd R. Lang, Director Transportation Planning

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Enclosures

cc: Mr. Jacob Dunkle, MDOT Maryland Transit Administration Ms. Laurie Brown, MDOT Maryland Transit Administration



Summary of 2019-2022 TIP Changes

Project Title	TIP Change Reason	Description	Type of Change
Agencywide System Preservation and Improvement: 40-1801-64	This amendment adds previously unobligated Section 5307 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used for improvements including elevator and escalator upgrades throughout the Metro system, roofing repairs, drainage corrections, transit asset management, and fare collection system software upgrades. Section 5307 funds increase in the amount of \$5.986 million along with an increase of \$1.497 million in matching funds. Total funding in the TIP increases from \$20.245 million to \$27.728 million.	This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system. In addition to the matching funds listed, MTA has committed \$80.4 million in state dollars. Conformity Status: Exempt	Amendment
Bus System Preservation and Improvement: 40-1803-64	This amendment adds previously unobligated Section 5307 flex funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used to rehabilitate historic gable windows at the Bush Division and to install a paint booth at the Washington Boulevard facility. Section 5307 flex funds increase in the amount of \$834,000 along with an increase of \$208,000 in matching funds. Total funding in the TIP increases from \$3.227 million to \$4.269 million.	This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the BaltimoreLink project to include Bus Link Transit Hubs and Bus Link Transit Signal Priority. In addition to the matching funds listed, MTA has committed \$10.6 million in state dollars. Conformity Status: Exempt	Amendment
Metro and Light Rail System Preservation and Improvement: 40-1805-64	This amendment adds previously unobligated Section 5307 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used to rehabilitate infrastructure, track, equipment, and facilities along the metro and light rail systems. Section 5307 funds increase in the amount of \$9.762 million along with an increase of \$2.44 million in matching funds. Total funding in the TIP increases from \$32.359 million to \$44.561 million.	This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed \$209.3 million in state dollars. Conformity Status: Exempt	Amendment



Project Title	TIP Change Reason	Description	Type of Change
MARC Rolling Stock Overhauls and Replacement: 70-1501-53	This amendment adds previously unobligated Section 5337 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used for the ongoing overhaul and replacement of MARC rolling stock in accordance with the manufacturer's 10-year minor and 20-year midlife schedules. Section 5337 funds increase in the amount of \$6.651 million along with an increase of \$1.663 million in matching funds. Total funding in the TIP increases from \$38.885 million to \$47.199 million.	This is an ongoing project for the overhaul and replacement of MARC rolling stock. The overhaul of MARC coaches and locomotives is performed in accordance with "10-year Minor" and "20-year Midlife" schedules and/or the manufacturer's schedule. MARC vehicles will be upgraded with federally-mandated Positive Train Control safety features. In addition to the matching funds listed, MTA has committed \$13.2 million in state dollars. Conformity Status: Exempt	Amendment
MARC Improvements: 70-1502-54	This amendment adds previously unobligated Section 5337 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used to enhance accessibility and safety for riders including installation of an ADA compliant public address system, positive train control, and an audio/visual warning system for approaching MARC trains. Section 5337 funds increase in the amount of \$20.12 million along with an increase of \$5.03 million in matching funds. Total funding in the TIP increases from \$40.895 million to \$66.045 million.	This project provides funding to implement ongoing improvements derived from the MARC Master Plan and Amtrak/CSX Operating Agreements. Projects include: improvements to the Penn line, improvements to the Brunswick and Camden lines, system-wide parking lot improvements, the design, procurement, and installation of an ADA compliant public address system at all MARC stations on the Brunswick, Camden, and Penn lines, implementation and development of Positive Train Control for MARC, implementation of an audio/visual warning system for approaching MARC trains, and the collaborative cost-sharing arrangement to advance development of the Northeast corridor infrastructure. In addition to the matching funds listed, MTA has committed \$15.4 million in state dollars.	Amendment
		Conformity Status: Exempt	

BALTIMORE METROPOLITAN PLANNING ORGANIZATION

BALTIMORE REGIONAL TRANSPORTATION BOARD RESOLUTION #20-1

AMENDMENT TO THE 2019 – 2022 BALTIMORE REGION TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, the Baltimore Regional Transportation Board is the designated Metropolitan Planning Organization for the Baltimore region, encompassing the Baltimore Urbanized Area, and includes official representatives of the cities of Annapolis and Baltimore, the counties of Anne Arundel, Baltimore, Carroll, Harford, Howard, and Queen Anne's, as well as representatives of the Maryland Department of Transportation, the Maryland Department of the Environment, the Maryland Department of Planning, the Maryland Transit Administration, and Harford Transit; and

WHEREAS, the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approved the 2019-2022 Transportation Improvement Program for the Baltimore region at its July 24, 2018 meeting, with federal approval on August 27, 2018; and

WHEREAS, federal regulations require that all transportation-related projects must be listed in the approved Transportation Improvement Program with accurate funding schedules in order to be eligible for federal funding; and

WHEREAS, the Transportation Improvement Program consists of projects included in, and in support of, the region's long-range transportation plan and ongoing short-range planning efforts; and

WHEREAS, the Maryland Department of Transportation on behalf of the MDOT Maryland Transit Administration has requested approval of an amendment to the 2019-2022 Transportation Improvement Program through the approved Transportation Improvement Program amendment process; and

WHEREAS, the MDOT Maryland Transit Administration is requesting to add previously unobligated funds from FY 2018 to the 2019-2022 TIP. MDOT MTA intends to obligate these funds prior to the end of FY 2019. The funding updates effect the following five projects: Agencywide System Preservation and Improvement, Bus System Preservation and Improvement, MARC Improvements, MARC Rolling Stock Overhauls and Replacement, and Metro and Light Rail System Preservation and Improvement (see attachment); and

WHEREAS, the Transportation Improvement Program, as amended, continues to display financial reasonableness and re-affirms the appropriate project selection criteria whereby all requirements for a Transportation Improvement Program in the Fixing America's Surface Transportation Act are met; and

WHEREAS, the Interagency Consultation Group has determined that these projects are exempt according to the Conformity Rule (40 CFR Parts 51 and 93); and

WHEREAS, the proposed Transportation Improvement Program amendment was presented to both the Technical Committee and the Interagency Consultation Group on July 9, 2019.

NOW, THEREFORE, BE IT RESOLVED that the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approves the attached amendment to the 2019-2022 Transportation Improvement Program for the Baltimore region and finds it to conform to the applicable Maryland State Implementation Plan and requirements of the 1990 Clean Air Act Amendments.

I HEREBY CERTIFY that the Baltimore Regional Transportation Board as the Metropolitan Planning Organization for the Baltimore region approved the aforementioned resolution on July 23, 2019.

7-23-19 Date

Lynda Eisenberg, Chair Baltimore Regional Transportation Board

Lynde Esonbers

MTA - Transit

2019 - 2022 Transportation Improvement Program

Transit Preservation

Agencywide System Preservation and Improvement

CIP or CTP ID(s)	Conformity Status	Project Category	Agency	TIP ID
Multiple	Exempt	Transit Preservation	MTA - Transit	40-1801-64
Est. Total Cost	Physical Data	Functional Class	Project Type	Year of Operation
\$27,728,000	NA	NA	Preservation and improvements	Ongoing

Description:

This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system

In addition to the matching funds listed, MTA has committed \$80.4 million in state dollars.

Justification:

The associated projects support regional management and operation initiatives to improve service, safety, and assure the preservation of infrastructure agency-wide.

Amendment: This amendment adds previously unobligated Section 5307 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 funds increase in the amount of \$5.986 million along with an increase of \$1.497 million in matching funds. Total funding in the TIP increases from \$20.245 million to \$27,728 million.

Connection to Long-Range Transportation Planning Goals:

1.B Improve System Safety — Apply safety-related management and operations techniques.
2.A Improve and Maintain the Existing Infrastructure — Improve the condition of roadway systems (pavement, bridges, tunnels).
2.E Improve and Maintain the Existing Infrastructure — Improve the condition of transit infrastructure and

Agencywide System Preservation and Improvement

(Funding in Thousands)

Section 5307 Urbanized Area Formula Program (funding for capital projects) ORIGINAL

\$20,245	\$0	\$0	\$673	\$2,693	\$1,519	\$6,074	\$1,857	\$7,429	Total
	\$0	\$0	\$673	\$2,693	\$1,519	\$6,074	\$1,857	\$7,429	Subtotal
	\$0	\$0	\$0	\$3	\$0	0\$	\$6	\$0	ROW
	\$0	\$0	\$0	\$0	50	0\$	\$ 0	\$0	2
	\$0	\$0	80	80	08	0\$	\$0	\$ 0	ENG
	\$0	\$0	\$0	92	\$0	\$50	\$0	8	
	\$0	\$0	\$673	\$2,693	\$1,519	\$6,074	\$1,857	\$7,429	CON
Total Four-Year Funding Request	FY 2022 Matching Funds	FY 2022 Federal Funds	FY 2021 Matching Funds	Fy 2021 Federal Funds	FY 2020 Matching Funds	FY 2020 Federal Funds	Matching Funds	Fy 2019 Federal Funds	Phase
				GC(S) ORIGINAL	ioi capitai pi oje	Summing mark		or comment of the contract of the contract of capital projects) -ORIGINAL	

Section 5307 Urbanized Area Formula Program (funding for capital projects) - UPDATE

Total	Subtotal	ROW	PL	ENG	HTO	CON	Phase
\$13,415	\$13,415	08	90	\$0	93	\$13,415	FY 2019 Federal Funds
\$3,354	\$3,354	\$0	\$0	\$0	\$0	\$3,364	FY 2019 Matching Funds
\$6,074	\$6,074	\$0	\$0	\$0	\$0	\$6,074	FY 2020 Federal Funds
\$1,519	\$1,519	\$0	08	\$0	\$0	\$1,519	FY 2020 Matching Funds
\$2,693	\$2,693	\$0	\$6	\$0	\$0	\$2,693	FY 2021 Federal Funds
\$673	\$673	90	80	90	SO	\$673	FY 2021 Matching Funds
\$0	\$0	\$0	\$0	\$0	\$0	\$0	Fy 2022 Federal Funds
\$0	\$0	\$0	\$0	\$0	\$0	\$0	FY 2022 To Matching Funds
\$27,728	\$27,728	\$0	\$0	\$	\$0	\$27,728	Total Four-Year Funding Request

Transit Preservation

Bus System Preservation and Improvement

TIP ID	40-1803-64	Year of Operation	Ongoing
Agency	MTA - Transit	Project Type	Preservation and improver
Project Category	Transit Preservation	Functional Class	NA .
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)	Multiple	Est. Total Cost	\$4,269,000

ments

Description:

This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the BaltimoreLink project to include Bus Link Transit Signal Priority. In addition to the matching funds listed, MTA has committed \$10.6 million in state dollars.

Justification:

The associated projects support regional management and operation initiatives to improve service, safety, and the preservation of the bus system.

Amendment: This amendment adds previously unobligated Section 5307 flex funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 flex funds increase in the amount of \$834,000 along with an increase of \$208,000 in matching funds. Total funding in the TIP increases from \$3.227 million to \$4.269 million.

Connection to Long-Range Transportation Planning Goals:

- 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.

 2.E Improve and Maintain the Existing Infrastructure -- Improve the condition of transit infrastructure and
- stations/stops.

 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.





Transit Preservation

Bus System Preservation and Improvement

(Funding in Thousands)

Total	Subtotal	ROW	2	ENG	HTO	CON	Phase	Section	Total	Subtotal	ROW	몬	ENG	HTO	CON	Phase	Section
\$2,901	\$2,901	\$0	\$0	\$0	\$0	\$2,901	FY 2019 Federal Funds	5307 Flex (STB	\$2,067	\$2,067	\$0	69	6A	46	\$2,067	FY 2019 Federal Funds	5307 Flex (STB
1 \$725	1 \$725	0 \$0	0 \$0	0 \$0	0 \$0	\$725	9 FY 2019 Matching Funds	Section 5307 Flex (STBG funds flexed to Section 5307)	7 \$517	7 \$517	0 \$0	\$0 \$0	\$0 50	\$0 \$0	7 \$517	9 FY 2019 al Matching Funds	Section 5307 Flex (STBG funds flexed to Section 5307)
\$514	\$514	\$0	\$0	\$0	\$0	\$514	FY 2020 Federal Funds	o Section 5307)	\$514	\$514	\$0	\$0	\$0	\$0	\$514	FY 2020 Federal Funds	o Section 5307)
\$129	\$129	\$0	\$0	\$0	\$0	\$129	FY 2020 Matching Funds	-UPDATE	\$129	\$129	\$0	\$0	\$0	\$0	\$129	FY 2020 Matching Funds	ORIGINAL
\$ 0	\$0	\$0	\$0	\$0	\$0	\$0	FY 2021 Federal Funds		\$0	\$0	\$0	\$0	\$0	S0	SO	FY 2021 Federal Funds	
\$0	\$0	\$0	\$0	\$0	\$0	\$0	FY 2021 Matching Funds		\$0	\$0	\$0	\$0	\$0	\$0	\$0	FY 2021 Matching Funds	
\$0	\$0	·· \$0	\$0	90	. \$0	\$0	FY 2022 Federal Funds		\$0	\$0	. \$0	\$0	\$0	\$0	\$0	FY 2022 Federal Funds	
S0	50	\$0	\$0	50	\$0	\$0	FY 2022 To Matching Funds		\$0	\$0	50	\$0	\$0	\$0	\$0	FY 2022 To Matching Funds	
\$4,269	\$4,269	\$0	\$0	\$0	\$0	\$4,269	Total Four-Year Funding Request		\$3,227	\$3,227	\$0	\$0	\$0	\$0	\$3,227	Total Four-Year Funding Request	

Commuter Rail Preservation

MARC Improvements

CIP or CTP ID(s)	Conformity Status	Project Category	Agency	TIP ID
Multiple	Exempt	Commuter Rail Preservation	MTA - Commuter Rail	70-1502-54
Est. Total Cost	Physical Data	Functional Class	Project Type	Year of Operation
\$66,045,000	NA	NA	Preservation and improvements	Ongoing

Description:

audio/visual warning system for approaching MARC trains, and the collaborative cost-sharing arrangement to advance development of the Northeast corridor infrastructure. In addition to the matching funds listed, MTA has committed \$15.4 million in state dollars. and Penn lines, implementation and development of Positive Train Control for MARC, installation of an to the Brunswick and Camden lines, system-wide parking tot improvements, the design, procurement, and installation of an ADA compliant public address system at all MARC stations on the Brunswick, Camden, This project provides funding to implement ongoing improvements derived from the MARC Master Plan and Amtrak/CSX Operating Agreements. Projects include: improvements to the Penn line, improvements

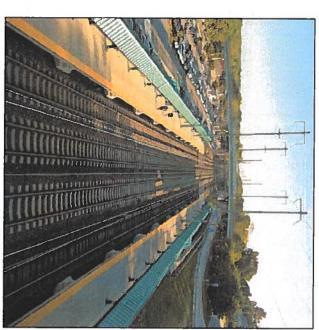
Justification:

Investments in passenger rail corridor infrastructure improvements are necessary to maintain/improve the safety and quality of MARC infrastructure.

million along with an increase of \$5.03 million in matching funds. Total funding in the TIP increases from \$40.895 MTA intends to obligate these funds prior to the end of FY 2019. Section 5337 funds increase in the amount of \$20.12 million to \$66.045 million. Amendment: This amendment adds previously unobligated Section 5337 funds from FY 2018 to the 2019-2022 TIP

Connection to Long-Range Transportation Planning Goals:

- stations/stops 1.C Improve System Safety – Eliminate hazardous or substandard conditions.
 2.E Improve and Maintain the Existing Infrastructure – Improve the condition of transit infrastructure and
- 3.G Improve Accessibility Improve system connectivity and continuity among modes and across



MARC Improvements

(Funding in Thousands)

Section 5307 Urbanized Area Formula Program (funding for capital projects) Section 5307 Urbanized Area Formula Program (funding for capital projects)

	Total	Subtotal	ROW	PL	ENG	OTH	CON	Phase	Section 5	Subtotal	ROW	궏	ENG	ОТН	CON	Phase
	\$4,104	\$4,104	00\$	\$0	SO	\$0	\$4,104	FY 2019 Federal Funds	Section 5337 (State of Good Repair Formula	\$0	\$0	\$0	\$0	\$0	\$0	FY 2019 Federal Funds
	\$1,026	\$1,026	\$0	\$0	\$0	\$0	\$1,026	FY 2019 Matching Funds	Repair Form	\$0	\$0	\$0	\$0	\$0	\$0	FY 2019 Matching Funds
ac ac	\$5,216	\$4,973						FY 2020 Federal Funds	ula Program) 👵	\$243	\$0	\$0	\$0	\$0	\$243	FY 2020 Federal Funds
	\$1,304	\$1,243	\$0	50	\$0	\$0	\$1,243	FY 2020 Matching Funds	RIGINAL	\$61	80	08	0.8	0.8	\$61	FY 2020 Matching Funds
	\$11,341	\$10,154	\$0	93	· \$0	\$0	\$10,154	Fy 2021 Federal Funds		\$1,187	90	83	93	93	\$1,187	FY 2021 Federal Funds
	\$2,835	\$2,538	90	\$0	\$0	\$0	\$2,538	FY 2021 Matching Funds		\$297	\$0	\$0	\$0	\$0	\$297	FY 2021 Matching Funds
	\$12,055	\$9,643	\$0	\$0	\$0	\$0	\$9,643	FY 2022 Federal Funds		\$2,412	\$0	\$0	\$0	\$0	\$2,412	FY 2022 Federal Funds
	\$3,014	\$2,411	\$0	\$0	\$0	\$0	\$2,411	FY 2022 Matching Funds		\$603	\$0	\$0	\$0	\$0	\$603	FY 2022 Matching Funds
	\$40,895	\$36,092	\$	\$6	\$0	\$0	\$36,092	Total Four-Year Funding Request	2	\$4,803	\$0	\$0	\$0	9	\$4,803	Total Four-Year Funding Request

MARC Improvements

(Funding in Thousands)

Section 5307 Urbanized Area Formula Program (funding for capital projects) - UNICHANGED

Total	Subtotal	ROW	궏	ENG	OTH	CON	Phase	Section 5	Subtotal	ROW	궏	ENG	ОТН	CON	Phase
\$24,224	\$24,224	50	\$0	\$0	\$0	\$24,224	Fy 2019 Federal Funds	Section 5337 (State of Good Repair Formula Program)	\$0	\$0	\$0	\$0	\$0	\$0	FY 2019 Federal Funds
\$6,056	\$6,056	\$	\$6	\$0	\$0	\$6,056	FY 2019 Matching Funds	Repair Form	\$0	\$0	\$0	90	\$	\$6	FY 2019 Matching Funds
\$5,216	\$4,973	\$0	\$0	\$0	\$0	\$4,973	FY 2020 Federal Funds		\$243	\$0	\$0	0\$	\$0	\$243	FY 2020 Federal Funds
\$1,304	\$1,243	\$0	90	\$0	\$0	\$1,243	FY 2020 Matching Funds	UPDATE	\$61	08	\$0	90	90	\$61	FY 2020 Matching Funds
\$11,341	\$10,154	\$0	\$	\$	93	\$10,154	FY 2021 Federal Funds		\$1,187	\$0	03	\$0	\$0	\$1,187	FY 2021 Federal Funds
\$2,835	\$2,538	\$0	\$0	\$0	\$0	\$2,538	FY 2021 Matching Funds		\$297	\$0	90	\$0	\$0	\$297	FY 2021 Matching Funds
\$12,055	\$9,643	\$0	\$0	\$0	\$0	\$9,643	FY 2022 Federal Funds		\$2,412	\$0	\$0	\$0	\$0	\$2,412	FY 2022 Federal Funds
							FY 2022 Matching Funds								FY 2022 Matching Funds
\$66,045	\$61,242	\$6	8	\$	\$0	\$61,242	Total Four-Year Funding Request		\$4,803	\$0	\$0	\$0	6	\$4,803	Total Four-Year Funding Request

MTA - Commuter Rail

2019 - 2022 Transportation Improvement Program

Commuter Rail Preservation

MARC Rolling Stock Overhauls and Replacement

CIP or CTP ID(s)	Conformity Status	Project Category	Agency	TIP ID
Multiple	Exempt	Commuter Rail Preservation	MTA - Commuter Rail	70-1501-53
Est. Total Cost	Physical Data	Functional Class	Project Type	Year of Operation
\$47,199,000	N _A	NA	Fleet improvement	Ongoing

Description:

This is an ongoing project for the overhaul and replacement of MARC rolling stock. The overhaul of MARC coaches and locomotives is performed in accordance with "10-year minor" and "20-year midlife" schedules and/or the manufacturer's schedule. MARC vehicles will be upgraded with federally-mandated schedules Train Control safety features. In addition to the matching funds listed, MTA has committed \$13.2 million in state dollars

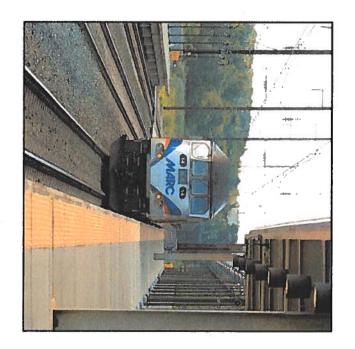
Justification:

Overhauls will extend the life of mechanical systems and car bodies. This will have the effect of providing safe and reliable vehicles for MARC service while also complying with federally mandated maintenance regulations.

Amendment: This amendment adds previously unobligated Section 5337 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5337 funds increase in the amount of \$6.651 million along with an increase of \$1.663 million in matching funds. Total funding in the TIP increases from \$38.885 million to \$47.199 million.

Connection to Long-Range Transportation Planning Goals:

2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles



WERTS

Commuter Rail Preservation

MARC Rolling Stock Overhauls and Replacement

(Funding in Thousands)

Section 5307 Urbanized Area Formula Program (funding for capital projects) .ORIGINAL

Total	Subtotal	ROW	PL	ENG	ОТН	CON	Phase	Section 5	Subtotal	ROW	互	ENG	ОТН	CON	Phase
\$10,877	\$10,877	\$0	\$0	\$0	\$0	\$10,877	FY 2019 Federal Funds	Section 5337 (State of Good Repair Formula Program)	\$0	\$0	\$0	SO	80	\$0	FY 2019 Federal Funds
\$2,719	\$2,719	8	\$0	\$0	\$0	\$2,719	FY 2019 Matching Funds	Repair Form	98	\$0	\$0	\$0	\$	\$0	FY 2019 Matching Funds
\$14,441	\$14,441	\$0	\$0	\$0	\$0	\$14,441	FY 2020 Federal Funds	1295	\$0	\$0	\$0	\$0	\$0	\$0	FY 2020 Federal Funds
\$3,610	\$3,610	08	\$0	90	90	\$3,610	FY 2020 Matching Funds	ORIGINAL	\$0	\$0	90	\$0	\$0	\$0	FY 2020 Matching Funds
\$3,354	\$2,920	8	80	93	03	\$2,920	FY 2021 Federal Funds		\$434	\$0	03	93	\$0	\$434	FY 2021 Federal Funds
\$839	\$730	\$0	\$0	80	80	\$730	FY 2021 Matching Funds		\$109	50	93	\$0	\$0	\$109	FY 2021 Matching Funds
\$2,436	\$2,361	90	\$0	\$0	\$0	\$2,361	FY 2022 Federal Funds		\$75	\$0	\$0	\$0	\$0	\$75	FY 2022 Federal Funds
\$609	\$590	\$0	\$0	\$0	\$0	\$590	FY 2022 Matching Funds		\$19	\$0	\$0	\$0	\$0	\$19	FY 2022 Matching Funds
\$38,885	\$38,248	\$	\$	\$0	\$0	\$38,248	Total Four-Year Funding Request		\$637	\$0	\$0	\$ 0	\$	\$637	Total Four-Year Funding Request

Commuter Rail Preservation

MARC Rolling Stock Overhauls and Replacement

(Funding in Thousands)

Section 5307 Urbanized Area Formula Program (funding for capital projects) - UNCHANGED

\$47,199	\$609	\$2,436	\$839	\$3,354	\$3,610	\$14,441	\$4,382	\$17,528	Total
				W.					
\$46.562	\$690		\$730	\$2,920	\$3,610	\$14,441	\$4,382	\$17,528	Subtotal
\$	\$0		\$0	\$0	\$0	\$0	\$0	\$0	ROW
\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	PL
\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	ENG
\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	ОТН
\$46,562	\$590		\$730	\$2,920	\$3,610	\$14,441	\$4,382	\$17,528	CON
Total Four-Year Funding Request	FY 2022 T Matching Funds	FY 2022 Federal Funds	FY 2021 Matching Funds	FY 2021 Federal Funds	FY 2020 Matching Funds	FY 2020 Federal Funds	FY 2019 Matching Funds	FY 2019 Federal Funds	Phase
					-UPDATE	nula Program)	od Repair Forn	Section 5337 (State of Good Repair Formula Program)	Section 5
\$637	\$19		\$109	\$434	\$0	\$0	\$0	\$0	Subtotal
\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	ROW
\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	PL
\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	ENG
\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	ОТН
\$637	\$19		\$109	\$434	\$0	\$0	\$0	\$0	CON
Total Four-Year Funding Request	FY 2022 Matching Funds	FY 2022 Federal Funds	FY 2021 Matching Funds	FY 2021 Federal Funds	FY 2020 Matching Funds	FY 2020 Federal Funds	FY 2019 Matching Funds	FY 2019 Federal Funds	Phase
			מחבים	Jecis) -ONCHAIN	S tot capital bic	rogiani (iuiiuii	rea i cilitula i	201 Organized Area Formula Frogram (unfully for capital projects)	000000

Transit Preservation

Metro and Light Rail System Preservation and Improvement

CIP or CTP ID(s)	Conformity Status	Project Category	Agency	TIP ID
Multiple	Exempt	Transit Preservation	MTA - Transit	40-1805-64
Est. Total Cost	Physical Data	Functional Class	Project Type	Year of Operation
\$44,561,000	NA	NA	Preservation and improvements	Ongoing

Description:

This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed \$209.3 million in state dollars.

Justification:

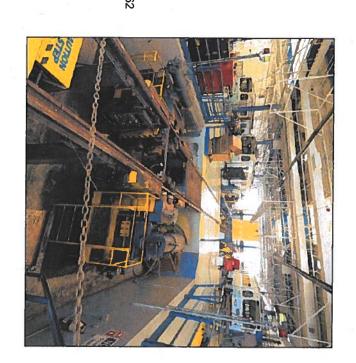
The associated projects support regional management and operation initiatives to improve service and safety and assure the preservation of the Light Rail and Metro systems.

Amendment: This amendment adds previously unobligated Section 5307 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 funds increase in the amount of \$9.762 million along with an increase of \$2.44 million in matching funds. Total funding in the TIP increases from \$32.359 million to \$44.561 million.

Connection to Long-Range Transportation Planning Goals:

- 2.C Improve and Maintain the Existing Infrastructure Maintain/replace transit vehicles.
 2.E Improve and Maintain the Existing Infrastructure Improve the condition of transit infrastructure and
- stations/stops.

 3.G Improve Accessibility -- Improve system connectivity and continuity among modes and across



Transit Preservation

2019 - 2022 Transportation Improvement Program

Metro and Light Rail System Preservation and Improvement

(Funding in Thousands)

Section 5307 Urbanized Area Formula Program (funding for capital projects) ORIGINAL

						_			,
\$44,561	\$0	\$0	\$2,486	\$9,942	\$822	\$3,286	\$5.605	\$22,420	Subtotal
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	ROW
\$0	08	\$0	\$0	\$0	\$0	\$0	\$0	\$0	P
\$0	\$0	\$0	\$0	90	\$0	\$0	SO	\$0	ENG
\$0	. \$0	\$0	\$0	08	\$0	\$0	08	\$0	HTO
\$44,561	08	\$0	\$2,486	\$9,942	\$822	\$3,286	\$5,605	\$22,420	CON
Total Four-Year Funding Request	FY 2022 Matching Funds	Fy 2022 Federal Funds	FY 2021 Matching Funds	FY 2021 Federal Funds	FY 2020 Matching Funds	FY 2020 Federal Funds	FY 2019 Matching Funds	Fy 2019 Federal Funds	Phase
				ojects) -UPDATE	g for capital pr	rogram (fundin	rea Formula P	Section 5307 Urbanized Area Formula Program (funding for capital projects)	Section (
\$32,359	\$0	\$0	\$2,486	\$9,942	\$822	\$3,286	\$3,165	\$12,658	Total
\$32,359	\$0	\$0	\$2,486	\$9,942	\$822	\$3,286	\$3,165	\$12,658	Subtotal
90	\$0	\$0	80	\$0	\$0	\$0	\$0	08	ROW
90	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	PL
· \$0	\$0	\$0	0.8	\$0	90	\$0	\$6	\$0	ENG
90	\$0	\$0	\$0	90	\$0	\$0	\$0	\$0	HTO
\$32,359	\$0	\$0	\$2,486	\$9,942	\$822	\$3,286	\$3,165	\$12,658	CON
Total Four-Year Funding Request	FY 2022 Matching Funds	FY 2022 Federal Funds	FY 2021 Matching Funds	FY 2021 Federal Funds	FY 2020 Matching Funds	FY 2020 Federal Funds	FY 2019 Matching Funds	Federal Funds	Phase
			*	Clocked Susain	o contract by			110000	150

Total

\$22,420

\$5,605

\$3,286

\$822

\$9,942

\$2,486

\$0

\$0

\$44,561

Amendments to the 2019-2022 TIP (July 2019)

Agency- System Preserv and Improve Bus Sys Preserv and Improve	-wide ation ement ement ement
his amend ection 530 022 TIP. No prior to the corease in the an incrinds. Total 20.245 miles amend ection 530 119-2022 inds prior to the corease in the annual corease in the annual corease in the core to the co	
Reason fo his amendment adds ection 5307 funds fro 022 TIP. MTA intends rior to the end of FY 2 crease in the amount ith an increase of \$1. Inds. Total funding in 20.245 million to \$27 is amendment adds ection 5307 flex fund 119-2022 TIP. MTA in the prior to the end on the end of th	Reason forment adds 7 funds from TA intends and of FY 2 and of FY 2 and of FY 2 and of S1. funding in funding in funding in funding in flex fund funding in flex fund funding in flex fund flex flex flex flex flex flex flex flex
his amendment adds previously ection 5307 funds from FY 2011 022 TIP. MTA intends to obligatior to the end of FY 2019. Sectiorease in the amount of \$5.986 ith an increase of \$1.497 milliounds. Total funding in the TIP in 20.245 million to \$27.728 millions amendment adds previously ection 5307 flex funds from FY 119-2022 TIP. MTA intends to ounds prior to the end of FY 2019 inds prior to the end of FY 2019	Reason for Amendry ment adds previously 7 funds from FY 2011 TA intends to obligate and of FY 2019. Section he amount of \$5.986 ase of \$1.497 million funding in the TIP in lion to \$27.728 million funds previously 7 flex funds from FY 7 flex funds from FY 7 flex funds of FY 2019 o the end of FY 2019
Reason for Amendment This amendment adds previously unobligate Section 5307 funds from FY 2018 to the 201 2022 TIP. MTA intends to obligate these fun prior to the end of FY 2019. Section 5307 fur increase in the amount of \$5.986 million alouwith an increase of \$1.497 million in matchir funds. Total funding in the TIP increases frou \$20.245 million to \$27.728 million. This amendment adds previously unobligate Section 5307 flex funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 530	ment adds previously unobligate 7 funds from FY 2018 to the 201 TA intends to obligate these fun and of FY 2019. Section 5307 fur the amount of \$5.986 million alonease of \$1.497 million in matchir funding in the TIP increases frou funding in the TIP increases from the funding from FY 2018 to the TIP. MTA intends to obligate these of the end of FY 2019. Section 53
7	
Project Description This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system. In addition to the matching funds listed, MTA has committed \$80.4 million in state dollars. This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the BaltimoreLink project to include Bus Link Transit Hubs and	Project Description This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system. In addition to the matching funds listed, MTA has committed \$80.4 million in state dollars. This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the BaltimoreLink project to include Bus Link Transit Hubs and
- 00	This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system. In addition to the matching funds listed, MTA has committed \$80.4 million in state dollars. This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the

п		
Light Rail System Preservation and Improvement	MARC Rolling Stock Overhauls and Replacement	
<u> </u>	This amendment adds previously unobligated Section 5337 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5337 funds increase in the amount of \$6.651 million along with an increase of \$1.663 million in matching funds. Total funding in the TIP increases from \$38.885 million to \$47.199 million.	
Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed \$209.3 million in state dollars.	This is an ongoing project for the overhaul and replacement of MARC rolling stock. The overhaul of MARC coaches and locomotives is performed in accordance with "10-year Minor" and "20-year Midlife" schedules and/or the manufacturer's schedule. MARC vehicles will be upgraded with federally-mandated Positive Train Control safety features. In addition to the matching funds listed, MTA has committed \$13.2 million in state dollars.	state dollars.
cxemp	Exempt	

Issues:

Do these proposed TIP amendments require a conformity determination?

No. These projects are exempt from the requirement to determine conformity in accordance with Section 93.126 of the Conformity Rule:

		D	B, C	83	A, B, C, E	Project(s)
- "Rehabilitation or reconstruction of track structures, track, and trackbed in existing rights-of-way"	expansions of the fleet"	"Rehabilitation of transit vehicles"; "Purchase of new buses and rail cars to replace existing vehicles or for minor	- "Construction or renovation of power, signal, and communications systems"	facilities, stations, terminals, and ancillary structures)"	- "Reconstruction or renovation of transit buildings and structures (e.g., rail or bus buildings, storage and maintenance	Exempt status - Sec. 93.126, Table 2



Larry Hogan Boyd K. Rutherford Pete K. Rahn Secretary

June 24, 2019

Mr. Todd R. Lang Transportation Planning Director ATTN: Mr. Zach Kaufman Offices @ McHenry Row 1500 Whetstone Way, Suite 300 Baltimore, Maryland 21230

Dear Mr. Lang:

The Maryland Department of Transportation (MDOT) on behalf of the Maryland Department of Transportation Maryland Transit Administration (MDOT-MTA) is requesting amendments to the Fiscal Year (FY) 2019-2022 Baltimore Region Transportation Improvement Program (TIP). The purpose of these amendments is to reflect changes to several MDOT-MTA projects. MDOT-MTA intends to execute unobligated funding for several TIP projects by the end of FY 2019, as follows: Section 5307 (TIP ID 40-1801-64); Section 5307 Flex (TIP ID 40-1803-64); Section 5337 and Section 5307 (TIP ID 70-1502-54); Section 5337 and Section 5307 (TIP ID 70-1501-53); and Section 5307 (TIP ID 40-1805-64).

The details of these amendments can be found on the attached request memorandum. The MDOT assures that these changes do not adversely affect the fiscal constraint of the TIP.

If you have questions or need additional information, please contact Dan Janousek, Office of Planning and Capital Programming (OPCP) Regional Planner at 410-865-1098, or via email at djanousek@mdot.state.md.us for assistance.

Sincerely,

Tym Br

Mr. Tyson Byrne, Regional Planning Manager

Office of Planning and Capital Programming

Attachment

cc: Mr. Dan Janousek, Regional Planner, OPCP, MDOT



Larry Hogan Governor Boyd K. Rutherford Lt. Governor Pete K. Rahn Secretary Kevin B. Quinn, Jr. Administrator

TO:

MS. HEATHER MURPHY, DIRECTOR

MDOT OFFICE OF PLANNING AND CAPITAL PROGRAMMING

ATTN:

MR. TYSON BYRNE, MANAGER

MDOT OFFICE OF PLANNING AND CAPITAL PROGRAMMING

FROM:

MS. KATE SYLVESTER, DIRECTOR HOME AND CAPITAL PROGRAMMING

DATE:

June 17, 2019

SUBJECT: Amendment to the FY 2019-2022 BMC/BRTB TIP

MDOT MTA is requesting an Amendment to the FY 2019-2022 BMC/BRTB TIP. The purpose behind this request is to reflect a change in the obligation year of Federal funding. MDOT MTA has shifted prior-year unobligated funding within the capital program to better align with planned fiscal year obligation of Federal funding.

MDOT MTA was unable to execute FY17 and FY18 5307 grants in time for prior fiscal year-end. MDOT MTA intends to execute this unobligated funding by the end of FY 2019, thus necessitating an Amendment to the current TIP.

For the following TIP pages, this shift in Federal funding has triggered a change that exceeds the fiscal threshold of 20% for projects that total in cost of over \$10M:

- **40-1801-64:** Agencywide System Preservation and Improvement
- 40-1803-64: Bus System Preservation and Improvement
- 70-1502-54: MARC Improvements
- 70-1501-53: MARC Rolling Stock Overhaul and Replacement
- 40-1805-64: Metro and Light Rail System Preservation and Improvement

Federal funding will be used to provide support of system-wide improvements and preservation projects including—but not limited to—elevator and escalator upgrades throughout the Metro Subway system, agency-wide roofing repairs, drainage corrections, transit asset management and crucial software upgrades to the agency fare collection system.

Ongoing maintenance to bus facilities and infrastructure is needed throughout the system. Federal funding will be used to rehabilitate historic Gable Windows at Bush Division along with the installation of a paint booth at Washington Boulevard.

Federal funding will also be used for ongoing improvements to enhance accessibility for riders throughout the MARC system. Such projects include ADA compliant public-address system installation, positive train control implementation and development, and audio/visual warning systems for approaching MARC train vehicles.

In addition to funding MARC system improvements, Federal funding will be used for the ongoing overhaul and replacement of MARC rolling stock. MARC coaches and locomotive overhauls must align with strict schedules set by manufactures and 10-year minor and 20-year mid-life schedules. This will ensure safe, comfortable, and reliable services for MARC riders.

Lastly, Federal funding will be used to rehabilitate infrastructure, track, equipment, and facilities along the Metro and Light Rail systems—an effort to ensure continued safety to MARC riders.

The proposed action will not impact scheduling or funding availability for other projects in the current TIP, which continues to be fiscally constrained. Additionally, this proposed action will not affect the amount of Federal funding previously obligated to MDOT MTA projects captured in the TIP.

After your review, please process the requested Amendment for inclusion in the FY 2019-2022 BMC/BRTB TIP. If you have any questions, please do not hesitate to contact Mr. Jacob Dunkle, MDOT MTA Office of Planning and Capital Programming, at 410-767-3633 or via email at JDunkle@mdot.maryland.gov.

Agencywide System Preservation and Improvement

	Ongoing	Preservation and improvements	NA	AN	\$27.727.500
	Year of Operation	Project Type	Functional Class	Physical Data	Est. Total Cost
	40-1801-64	MTA - Transit	iransit	Exempt	Multiple
401 011	117 (D#	Project Categorie	Conformity Section	Compount & Status	Server age #

	Justification	The associated projects support regional management and operation initiatives to		5				- At	
Description	The fe an open are seen and the seen are seen ar	Infrastructure including photocomes, and	the converse has been been and escalator upgrades, roofing, park-and-r	Total collecte pus loops, drainage corrections, bridge and subway inspections.	signage improvements, a treasury fare collection system, and a transit asset	management system.	In addition to the matching funds listed, MTA has committed \$80.4 million in	state dollars.	

Section 5307 Urbanized Area Formula Program (funding for capital projects)

			35511311	Section 350/ Underliked Area Formula Program (funding for capital projects)	Area Formu	la Program (funding for c	raintal project	+c)		
	Previous	Previous Reguests	America	Eloment			6		100		
	0		٦I	ciement		Fe	deral Funding	Federal Funding Requests (\$000)	(00)		Project Totals
	LIENIOUS	Previous	FY 2019	FY 2019	FY 2020	5V 2020	PCUC 73	2V 3036	FV 3055	-	
	Federal	Matchine				777	7707 1 1	LI CUCI	LT 4022	FY 2022	
		Simple	rederai	Matching	Federal	Matching	Federal	Matchine	Forlars	B.Anderline	
rnase	Funds	Funds	Funds	Funds	Firmde	C. in also				Summer	csamatea
CON	~	4				rungs	runds	Lands	Funds	Funds	Project Total
	·	2	13,415	3,354	S G G TA	4 1 510 6		4.00	~		
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	Project Totals	\$ - \$ 27,728
ource(s) Total	Federal Funding Requests (\$000)	\$ 1,519 \$ 2,693 \$ 673 \$
Funding So	Annual Element	\$ 13,415 \$ 3,354 \$ 6,074
	Totals S - Carons Requests	·

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 40-1801-64

BEFORE

Funding Category	Previou	S	FY 2	019	FY 2	020	FY 2	021	FY 202	22	Tota	al.
Section 5307	\$	-	\$	7,429	\$	6,074	1\$	2,693	\$	-10	1\$	16,196
Matching Funds	\$	-	\$	1,857	\$	1,519	\$	673	\$	-	\$	4,049
											S	20.245

ADJUSTMENT

Funding Category	Previou	IS	FY 2	019	FY 202	0	FY 20	21	FY 20	22	Tota	əl
Section 5307	\$	-	\$	5,986	\$	-	\$	~	\$		\$	5,986
Matching Funds	\$	•	\$	1,497	\$	-	\$	្ន	\$	-	\$	1,497
											5	7,483

AFTER

Funding Category	Previou	S	FY 2	2019	FY 2	2020	FY 2	021	FY 202	2	Tota	al
Section 5307	\$	-	\$	13,415	\$	6,074	\$	2,693	\$		\$	22,182
Matching Funds	\$	-	\$	3,354	\$	1,519	\$	673	\$	-	\$	5,546
											5	27,728

Percent Change 37%

Bus System Preservation and Improvement

		Criscing		In eservation and improvement	AIA		N.A.		\$4.269.250
יווא וווא וווא וווא וווא וווא וווא וווא	Year of Operation		Project Type		Functional Clace		Physical Data		Est. Total Cost
	40-1803-64	NATA Terroria	IISUPII WIMI	The second second	Transit		cxempt	Adultion	MULLIPIE
TINIDA	#01.4:	Agency		IProject Category		Conformity Status		CIP/CIP Page #	

Justification	The associated projects support reg to improve service, safety, and the th at	
Description	Including operating division and MTA offices. Projects included are the replacement of Historic Gable Windows at Bush Division and a paint boot. Washington Boulevard.	

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					5307	5307 Flex		*			
	Previous	Previous Requests	Annua	Annual Element		- 1					Project
	Droning	D				1	derai runding	regeral runding Requests (5000)	00)		Totals
	COCIACIO	rnevious	FY 2019	FY 2019	FY 2020	FY 2020	EV 2021	EV 2024	EV 3033	20000	
	Federal	Matching	Eadorn				4	11 2021	LT 2022	LY 2022	Estimated
-		9,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Watching	Federa	Matching	Fadarai	Restraine	Codoral	B. St. St. St. St. St. St. St. St. St. St	
Phase	Funds	Funds	Funds	Funds	Ernole		2	מו מו מו מו	I PLANET	Matching	Project
CON	7	4	1		-1	runas	rungs	Funds	Funds	Funds	Total
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OTH	4	4				0	*	^	•		\$ 4.269
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Funding Source(s) Total

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 40-1803-64

BEFORE

Funding Category	Previo	PUS	FY 2	019	FY 20	20	FY 20	21	FY 20	22	Tota	d
Section 5307	\$	-	\$	_			\$	-	\$	-	\$	-
Section 5339	\$	-	\$	-	\$		\$	-	\$	-		
CMAQ	\$	-	\$	-	\$	-	\$	-	\$		\$	• 1
SGR	\$	-	\$	2,067	\$	514	\$	•	\$	-	\$	2,581
Matching Funds	\$	~	\$	517	\$	129	\$	-	\$		\$	645
					•						\$	3,226

ADJUSTMENT

Funding Category	Previo	US	FY 20	19	FY 20	20	FY 2	021	FY 20	22	Total	
Section 5307	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Section 5339	\$	-	\$	-	\$		\$	(8)	\$		\$	-
CMAQ	\$		\$	-	\$	-	\$	-	\$	2	\$	-
SGR	\$		\$	834	\$		\$	2	\$	12	\$	834
Matching Funds	\$		\$	209	\$		\$		\$	-	\$	209
10.00	1						(4.05-0)				\$	1,043

AFTER

Funding Category	Previo	ous	FY 2	019	FY 20	20	FY 20	21	FY 20)22	Tota	ıl
Section 5307	\$	-	\$	-							\$	-
Section 5339	\$	-	\$		\$	-01	\$	-	\$	0.7	\$	
CMAQ	\$	-	\$	-	\$	-	\$		\$		\$	-
SGR	\$	-	\$	2,901	\$	514	\$	-	\$		\$	3,415
Matching Funds	\$	*	\$	725	\$	129	\$	*	\$		\$	854
				dill 1							\$	4,269

Percentage Change

32%

MARC Improvements

1.F.D#	70-1502-54	Vear of Operation	
Agency			Cugonig
	IN A - Commuter Kail	Project Type	Drocomortion and improve
Project Category			Interest various and improvements
	Commuter Kail	Functional Class	N.A.
Conformity Cestue			
	Exempt	Physical Data	
ICIP/CIP Page #			
	Multiple	Est. Total Cost	\$66.045.000

Description	Bank & Same B
This project provides funding to lead to the second to the	Justingation
ment on the state of the state	The product of injuries to injurement ongoing improvements derived from investments in passenger rail corridor infraction in the control of t
Ithe Marker Plan and Amerabi/Cox Controlling	meaning in peacetise that control mit as include improvements are necessary to
Section 20 Operating Agreements, Projects Includ	gements. Projects include: [maintain/improve the safety and orgality of MARC infrastructure
Improvements to the Penn line, improvements to Brunswick and Camdon lines	
Syctom and a partie of the second sec	
Transport Jan Mile 101 High overhears, the design, procurement, and	
Installation of ADA compliant within addition	
MARC stations on the	
Brunswick, Camden, and Penn lines. Implementation and dominant and	
To The Middle of the Control of the	
Prositive Train Control for MARC, audio/visual warning everence for NAADC train	
CIRCI DALLANDO CONTROL DE CONTROL	
approaching, and the collaborative cost-sharing arrangement to advance	
Dovolonment of the Alexander of the Alex	
The Morning of the Morning Structure in addition to the	
Imatching flinds listed NATA has a many a And	
million in state dollars.	

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	Previous	Previous Requests	Annual				Accord Council		1001		
	Drawious					, Le	Jerai runging	reaer at runging requests (Sono)	. (or		Project Totals
	SMOURS	Frevious	FY 2019	FY 2019	FY 2020	FY 2020	FY 2021	FY 2021	EV 2022	CC 2022	
	Federal	Matching	Federal	Matching	Forders	Beaterhine				77076	
Phase	Eirnole	Comple		5		MIGHTHER	rederal	Matcuing	Federal	Matching	Estimated
	Collins	runds	Funds	Funds	Funds	Funds	Ennde	Sunde	Lamele	Promode	
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	,	2-	4 24,224	5 6.056	5 4973	4 1 2A2	40 154	Ý	4	Į,	
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Totals	S	5	C 24 224	1					2		
			4.776.7	900'0 0	5 4,973	5 1,243	\$ 10,154	\$ 2,538	\$ 9,643	5 2.411	S 61 242

MARC Improvements

Section 5307 Urbanized Area Formula Program (fundi

				מושיים מושיים מושיים	עובק ברוווח	la Program C	Tunding Tor c	Committee Aire Formula Program (funding for capital projecte)	100		
	Previous	Previous Requests	Annual	Element		Ear	form Complex		(m)		
	Previous	Drowing		L		ופ	חכומו בחווחות	rederal rumaing Requests (5000)	(00)		Project Totals
	200	CAIDIO	FT 2019	FY 2019	FY 2020	FY 2020	FY 2021	FY 2021	FY 2022	EV 2022	
5	Federai	Matching	Federal	Matchine	Faderai	Matching	Lodonal	9.8-4-L		7707	+
Phase	Funds	Funds	Funds	Funds	Errode	Firmal	reder an	Watching	rederal	Matching	Estimated
CON	*	+			CD IN	านกลร	rungs	Funds	Funds	Funds	Project Total
			^	^	5 243 5	5 61 5	1 187	202		•	13
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Totals	· ·	·	\$	7	200			,	,	^	•
			•	7	5 743	5 91 5	5 1,187	5 297	5 2,412	\$ 603	\$ 4.803
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		Project Totals	3 014 6 66 045	
		undring Keduests (>000)	11,341 \$ 2,835 \$ 12,055 \$	
ranging source(s) total		rederair	\$ 5,216 \$ 1,304 \$ 1	
	S Annual Element		5 24,224 \$ 6,056	
	Previous Request	otals c	¢ .	

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 70-1502-54

BEFORE

Funding Category	Previous		FY 2	019	FY 2	020	FY	2021	FY	2022	Total	
Section 5307	\$	-	\$		\$	243	3	1,187.00	\$	2,412.00	\$	3,842
Section 5337	\$	÷.	\$	4,104	\$	4,973	\$	10,154	\$	9,643	\$	28,874
Matching Funds	\$	**	\$	1,026	\$	1,304	\$	2,835	\$	3,014	\$	8,179
						mate in adults interconnection in	No.	The second desirable	a	m may be the testingly	5	40.895

ADJUSTMENT

Funding Category	Previ	ous	FY	2019	FY 2	2020		FY 20	21	FY 20	122	Tot	al :
Section 5307	\$	-	\$	-	\$		-	\$	7 -	\$	(4)	\$	-
Section 5337	\$	-	\$	20,120	\$		-	\$	~	\$		\$	20,120
Matching Funds	\$	-	\$	5.030	\$		-	\$		\$		\$	5,030
												\$	25,150

AFTER

Funding Category	Previou	ıs	FY :	2019	FY 2	020	FY:	2021	FY 2	022	Tota	1
Section 5307	\$		\$		\$	243	\$	1,187	\$	2,412	\$	3,842
Section 5337	\$		\$	24,224	\$	4,973	\$	10,154	\$	9,643	\$.	48,994
Matching Funds	\$		\$	6,056	\$	1,304	\$	2,835	\$	3,014	\$	13,209
											\$	66,045

Percent Change 61%

MARC Rolling Stock Overhaul and Replacement

	- Saisted O	Circums	Fleet improvement		NA NA	Y C	NA NA	\$47,199,000
	Year of Operation		Project Type		rancional class	Physical Data		Est. Total Cost
	70-1501-53	MTA - Commuter Dail	יייי כטוניווחנפו עמוו	Commuter Rail		Exempt	D. Assider	aidinmi
Tip its		Agency	Decision of the second	rioject category	Conformity States	completely status	CIP/CTP Page #	

The Completion		100 100 100 100 100 100 100 100 100 100				Ching		
Description	I his is an ongoing project for the overhauf and remark of way or a line.	stock. The overhaul of MARC coarbes and locamotives in the	accordance with "10 year Minat" and the control of	manifer schedules and/or the	line in actual secretaries. MAKC vehicles will be upgraded with federally-	mandated Positive Train Control safety features. In addition to the matching	funds listed, MTA has committed \$13.2 million in state dollars.	

Section 5337 (State of Good Repair Formula Program)

	2						D				
	Previous	Previous Requests	Annual	Flement	1	á	i 1				Project
	Dravious	0				Fe	deral Funding	Federal Funding Requests (\$000)	(00)		Totals
	cooms.	rrevious	FY 2019	FY 2019	FY 2020	FY 2020	FV 2021	FV 2021	EV 2023	ביטר איז	
	Federal	Matching	Federal	Matching	Fodoral	Bankal			7707	FT 2024	Estimated
Phase	Funds	Frinde		9,111,12		Marching	rederai	Matching	Federal	Matching	Project
		CTION .	LUMBS	Funds	Funds	Funds	Funds	Funds	Lunde	Erande	
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Totals	5	-	>		^	\$	٠ د	·	•	Ş	\$
		-	875'/1 6	\$ 4,382 \$	\$ 14,441	\$ 3,610 \$	\$ 2,920	\$ 730	\$ 2.361	COD 2	C AC ECO
				Annual Control of the							7

MARC Rolling Stock Overhaul and Replacement

Section 5307 Urbanized Area Formula Program (funding for capital projects)

	Previous	Previous Requests	Annual	Annual Element		. Lo	done Complete	4)	100		Project
	Previous	Drawing	TV 3000			Ď.	receils runding Requests (5000)	requests (50)	(00)		Totals
		Choins	LI ZUIS	FY 2019	FY 2020	FY 2020	FY 2021	FV 2021	EV 2022	ברישעיט	
	Federal	Matching	Federal	Matching	Fordara	B 80 - 4 - 1			7707	7707 1.1	Estimated
Phace	Errock			9		Matching	rederal	Matching	Federal	Matching	Project
	Spiins	rungs	Funds	Funds	Funds	Firmde	Entrade	Part of the same o			
CON	- 4	Ç	1			count :	Lange	rungs	Funds	Funds	Total
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Totals	S	\$	~		+ 4	3.	,	٠ ٠	n	·	•
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	Project	rorais	\$ 47,19
			\$ 609
			\$
			2,436
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	Federal Eunding Remisers (\$000)	el cicanh	839
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	Familia		3,354
	dera		S
s) Total	3		3,610
irce			S
Funding Source(s) Total			14,441
F		k	۸Ⅱ
	ement	6000	4,382
	Annual Element	17 510 16	¢ 076'/T
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	quests	ě	
	Previous Re	1	
		Totals	

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 70-1501-53

BEFORE

Funding Category	Previou	s	FY 2	2019	FY 2	2020	FY 2	2021	FY 2	022	Tota	al
Section 5307	3	-	\$	10	\$	-	\$	434.00	\$	75.00	\$	509
Section 5337	\$	-	\$	10,877	\$	14,441	\$	2,920	\$	2,361	\$	30,599
Matching Funds	\$		\$	2,719	\$	3,610	\$	839	\$	609	\$	7,777
							e	Antique Market	7	-	\$	38,885

ADJUSTMENT

Funding Category	Previo	us	FY 2	019	FY 20	20	FY 20	21	FY 20	22	Tota	1
Section 5307	\$		\$	**	\$	-	\$	-	\$	-	\$	•
Section 5337	\$	-	\$	6,651	\$	-	\$	150	\$	=	\$	6,651
Matching Funds	\$	-	\$	1,663	\$		\$	-	\$	-	\$	1,663
											5	8,314

AFTER

Funding Category	Previou	s	FY 2	2019	FY 2	2020	FY 2	021	FY 2	022	Tot	al
Section 5307	\$		\$		\$	-	\$	434	1\$	75	\$	509
Section 5337	\$	*	\$	17,528	\$	14,441	\$	2,920	\$	2,361	\$	37,250
Matching Funds	\$	<u> </u>	\$	4,382	\$	3,610	\$	839	\$	609	\$	9,440
											\$	47,199

Percent Change

21%

Transit

Metro and Light Rail System Preservation and Imp

novement		Buigging	Precentation and improvement	STUDIO IN THE INCOME INCOME	AN		NA	844 584 000
Hamalorian in the management	Year of Operation		Project Type		Functional Class	Physical Data	נייליונטו אמנס	Est. Total Cost
	40-1805-64	AATA - Transft P	IISHIN WIM	Trancit		Exempt	Adribting	Sidininia
10 CD#		Agency	Drotont Catana	Lighter Caregory	Conformity Contin	Schoolmity Status	CIP/CIP Page#	

0. 380	Justification		ted, Improve service and safety and assure the preservation of the Light Rail and	Metro system.	2
Description	This is an ongoing project to rehabilitate Light Rail and Metro facilities	infrastructure, track, and equipment. In addition to the matching funds listed	MTA has committed \$209.3 million in ctate dollars	יון אומוב חסוומנא.	

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	Previous	Previous Requests	Annual Element	Element		T I	SOCIAL STREET OF STREET STREET	Demineral (Co	100		Project
	Previous	Pravious	EV 2040			LC	מבוסו בחותווופ	nednests (50	inni		Totals
		Carlon	6102 17	FY 2019	FY 2020	FY 2020	FV 2021	EV 2021	EV 2022	EV 9000	
	Federal	Matching	Federal	Matching	Codoroi	NA-tol. Lan		1 20 2 2		FT 2024	Estimated
Phase	Funds	Funds	Finds	0	ا حجودا ها	BURGARAN	rederal	Matching	Federal	Matching	Project
1000	*		201103	runds	Funds	Funds	Funds	Funds	Ennde	Errande.	
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OTC.			7 62,420	chaic c	3,286	822	5 9.947	\$ 7 ARE	*	4	A 44 PAGE
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		The second secon	-		and a	,	מ			-	

Funding Source(s) Total

Project	Totals	2	\$ 44.561	
	Federal Funding Requests (\$000)	,	\$ - \$ 2,486 \$ - \$	
Annual Floment	112011	509.5 < 0.75,23		
Previous Requests	\$			
	Totals			

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 40-1805-64

BEFORE

Funding Category	Previous		FY 2	019	FY 20	20	FY	2021	FY 2022	2	Tota	al
Section 5307	\$		\$	12,658	\$	3,286	\$	9,942.00	\$	-	\$	25,886
Matching Funds	\$	-	\$	3,165	\$	822	\$	2,486	\$	_	\$	6,472
	,									200	S	32,358

ADJUSTMENT

Funding Category	Previo	ous	FY 2	019	FY 202	20	FY 20	21	FY 20	122	Tota	I
Section 5307	\$		\$	9,762	\$		\$	-	\$	-	. \$	9,762
Matching Funds	\$	90	\$	2,441	\$	- ,	\$	~	\$	~	\$	2,441

AFTER

Funding Category	Previou	IS	FY 2	019	FY 2	020	FY 2	021	FY 20	22	Tota	al
Section 5307	\$	ā	\$	22,420	\$	3,286	\$	9,942	\$	~	\$	35,648
Matching Funds	\$	*	\$ 1	5,605	\$	822	\$	2,486	\$	*	\$	8,912
			1	~				27 5.50			\$	44,560

Percent Change 38%